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## SILICON FILM (54) MANUFACTURE OF

(57) Abstract:

PURPOSE: To form an amorphous characteristics by a method wherein a deposition rate and excellent electric silicon film having a sufficient

thermal CVD method is performed at the substrate temperature of 480°C or below using trisilane or higher silanes.

silicon film is formed on the surface substantially by performing a thermal and the temperature variation when a been stabilized, raw gas is introduced, chamber 1 in advance, and after the atmospheric gas is introduced into the decomposition reaction. At this time, of the substrate 4 by thermal chamber 1. As a result, an amorphous and the like connected to a gas of a heating means 2, a susceptor 3, a consisting of a wafer and the like is film is formed can be made small temperature of the substrate 4 has silane of high order which is higher the upper surface of the susceptor 3. exhaust means 7, they are placed on gas blow- out hole 5, the exhaust hole CONSTITUTION: The substrate 4 than trisilane is introduced into the thereabout by a heating means 2, the When they are heated up to 400°C or inserted into the chamber 1 consisting

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